Journal of Fluid Mechanics Volume 473 25 December 2002

G. Gauthier, P. Gondret, F. Moisy & M. Rabaud	Instabilities in the flow between co- and counter-rotating disks	1
G. Iuso, M. Onorato, P. G. Spazzini & G. M. Di Cicca	Wall turbulence manipulation by large-scale streamwise vortices	23
M. Panfilov & M. Buès	Asymptotic model of the mobile interface between two liquids in a thin porous stratum	59
D. C. Dommermuth, J. W. Rottman, G. E. Innis & E. A. Novikov	Numerical simulation of the wake of a towed sphere in a weakly stratified fluid	83
C. B. da Silva & O. Métais	On the influence of coherent structures upon interscale interactions in turbulent plane jets	103
R. Govardhan & C. H. K. Williamson	Resonance forever: existence of a critical mass and an infinite regime of resonance in vortex-induced vibration	147
D. Barkley, M. G. M. Gomes & R. D. Henderson	Three-dimensional instability in flow over a backward-facing step	167
J. Otero, R. W. Wittenberg, R. A. Worthing & C. R. Doering	Bounds on Rayleigh–Bénard convection with an imposed heat flux	191
R. Verzicco	Sidewall finite-conductivity effects in confined turbulent thermal convection	201
L. N. Thomas & P. B. Rhines	Nonlinear stratified spin-up	211
V. S. Soukhomlinov, V. Y. Kolosov, V. A. Sheverev & M. V. Ötügen	Formation and propagation of a shock wave in a gas with temperature gradients	245
D. Pritchard & A. J. Hogg	On sediment transport under dam-break flow	265
Y. Hattori & S. G. Llewellyn Smith	Axisymmetric acoustic scattering by vortices	275
R. Tailleux & J. C. McWilliams	Energy propagation of long extratropical Rossby waves over slowly varying zonal topography	295
T. A. Saif	On the capillary interaction between solid plates forming menisci on the surface of a liquid	321
F. J. Higuera	Liquid-fuel thermocapillary flow induced by a spreading flame	349
P. Bagchi & S. Balachandar	Shear versus vortex-induced lift force on a rigid sphere at moderate *Re*	379
A. J. Cooper & N. Peake	The stability of a slowly diverging swirling jet	389
INDEX TO VOLUME 473		412

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
journals.cambridge.org

0022-1120(200212)473;1-V